

10/049148

EV066410902US

JC13 Rec'd PCT/PTO 08 FEB 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Phase Application of:
STEPHAN SCHAMBACH) Group Art Unit: Not Assigned
FRANK GESSNER)
ULRIKE MULLER) Examiner: Not Assigned
CHRISTIAN MALLWITZ)
Based On International Application No.)
PCT/EP01/06589)
International Filing Date: 11 June 2001)
U.S. Application No.: Not Assigned)
U.S. Filing Date: Herewith)
Title: **METHOD AND APPARATUS FOR**)
PROCESSING AN ONLINE)
TRANSACTION OVER A)
COMMUNICATIONS NETWORK))

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231



PRELIMINARY AMENDMENT

Dear Sir:

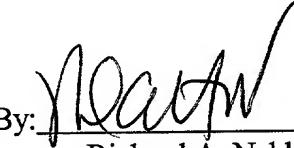
Please amend the above-referenced application without prejudice as shown in Appendix A. A clean copy of all pending claims is attached as Appendix B.

This application represents the U.S. National Phase of International Application No. PCT/EP01/06589. These preliminary amendments are made to remove multiple dependencies from claims and to better conform the claims to U.S. practice.

Respectfully submitted,

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Dated: 8 February 2002

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APPENDIX A
Version Showing Changes With Markings

In The Claims:

Please amend claims 1-2, 4, 6-13 and 18, and add new claims 21-22 as follows:

1. (Amended) A method of processing an online transaction over a communication network, comprising the steps of:

 storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),

 displaying, upon request from a client (10), an object including object attributes on a client display, and

 executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

 wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30).

2. (Amended) A method of processing an online transaction over a communication network comprising the steps of:

 storing in a catalog server (20) a plurality of objects comprising object data and object attributes containing further information about the object and further storing an ID identifying the object,

 transmitting upon request an object together with the corresponding object ID from the catalog server (20) to a client (10) for display,

 receiving at the catalog server (20) an object request from a transaction server (30), the request including the object ID,

 returning from the catalog server (20) to the transaction server (30) the object including object attributes corresponding to the received object ID.

4. (Amended) The method of claim 2 [or 3,] wherein the object ID is transmitted from the catalog server (20) to the client (10) together with the URL of the server (30).

APPENDIX A
Version Showing Changes With Markings

6. (Amended) The method of claim 4 [or 5] wherein the object displayed on a client display is assigned a display field for user selection of the object, wherein the selection of the object by a user initiates a transfer of the ID to the URL of the transaction server (30).

7. (Amended) The method of [anyone of] claim[s]1 [to 6]-wherein the object attributes are represented by numerical values and/or text strings.

8. (Amended) The method of [anyone of] claim[s] 1 [to 7] wherein an object attribute represents price information about the object.

9. (Amended) The method of [anyone of] claim[s] 1 [to 8] wherein the objects can be transmitted to the client for display in different formats including XML, HTML, XHTML or WML formats.

10. (Amended) The method of [anyone of] claim[s] 1 [to 9] wherein an object selected by a client is stored on the transaction server together with the corresponding object attribute and a client specific session ID.

11. (Amended) The method of [anyone of] claim[s] 1 [to 10] wherein the transaction server forwards to a client a request for finally confirming the transaction before executing the transaction.

12. (Amended) A computer program product comprising computer executable code for carrying out the steps of: [a method of anyone of claims 1 to 11.]
storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),
displaying, upon request from a client (10), an object including object attributes on a client display, and

APPENDIX A
Version Showing Changes With Markings

executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30).

13. (Amended) A computer readable data storage medium containing a computer program comprising program code for carrying out the steps of: [a method of anyone of claims 1 to 11, when loaded into a computer.]

storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),

displaying, upon request from a client (10), an object including object attributes on a client display, and

executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30). [a method of anyone of claims 1 to 11, when loaded into a computer.]

18. (Amended) The catalog server of [anyone of] claim[s] 15 [to 17,] wherein the stored objects can be transmitted to a client for display in different formats including XML, HTML, XHTML and WML formats.

--21. The method of claim 5 wherein the object displayed on a client display is assigned a display field for user selection of the object, wherein the selection of the object by a user initiates a transfer of the ID to the URL of the transaction server (30).--

--22. The method of claim 5 wherein the object displayed on a client display is assigned a display field for user selection of the object, wherein the selection of the object by a user initiates a transfer of the ID to the URL of the transaction server (30).--

APPENDIX B
Clean Version Showing Changes Without Markings

Claims

1. (Amended) A method of processing an online transaction over a communication network, comprising the steps of:

 storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),

 displaying, upon request from a client (10), an object including object attributes on a client display, and

 executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

 wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30).

2. (Amended) A method of processing an online transaction over a communication network comprising the steps of:

 storing in a catalog server (20) a plurality of objects comprising object data and object attributes containing further information about the object and further storing an ID identifying the object,

 transmitting upon request an object together with the corresponding object ID from the catalog server (20) to a client (10) for display,

 receiving at the catalog server (20) an object request from a transaction server (30), the request including the object ID,

 returning from the catalog server (20) to the transaction server (30) the object including object attributes corresponding to the received object ID.

3. A method of processing an online transaction over a communication network comprising the steps of:

 receiving at a transaction server (30) a transaction request with respect to a specific object comprising object data and object attributes containing further information about the object, the request including an object ID identifying that object,

APPENDIX B
Clean Version Showing Changes Without Markings

the transaction server (30) requesting the object from a catalog server (20), the request including the object ID,

receiving at the transaction server (30) from the catalog server (20) the selected object including object attributes, and

executing the transaction on the transaction server (30).

4. (Amended) The method of claim 2 wherein the object ID is transmitted from the catalog server (20) to the client (10) together with the URL of the server (30).

5. The method of claim 4 wherein the URL additionally contains a command for executing a specific process on the transaction server (30).

6. (Amended) The method of claim 4 wherein the object displayed on a client display is assigned a display field for user selection of the object, wherein the selection of the object by a user initiates a transfer of the ID to the URL of the transaction server (30).

7. (Amended) The method of claim 1 wherein the object attributes are represented by numerical values and/or text strings.

8. (Amended) The method of claim 1 wherein an object attribute represents price information about the object.

9. (Amended) The method of claim 1 wherein the objects can be transmitted to the client for display in different formats including XML, HTML, XHTML or WML formats.

10. (Amended) The method of claim 1 wherein an object selected by a client is stored on the transaction server together with the corresponding object attribute and a client specific session ID.

APPENDIX B
Clean Version Showing Changes Without Markings

11. (Amended) The method of claim 1 wherein the transaction server forwards to a client a request for finally confirming the transaction before executing the transaction.

12. (Amended) A computer program product comprising computer executable code for carrying out the steps of:

 storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),

 displaying, upon request from a client (10), an object including object attributes on a client display, and

 executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

 wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30)

13. (Amended) A computer readable data storage medium containing a computer program comprising program code for carrying out the steps of

 storing a plurality of objects comprising object data and object attributes containing further information about the object in a catalog server (20) accessible by a plurality of clients (10),

 displaying, upon request from a client (10), an object including object attributes on a client display, and

 executing, on a transaction server (30), a transaction relating to an object selected by the client (10) using the information contained in the object attributes,

 wherein the object attributes are transmitted directly from the catalog server (20) to the transaction server (30).

APPENDIX B
Clean Version Showing Changes Without Markings

14. A computer system comprising:

a catalog server (20) for storing a plurality of objects comprising object data and object attributes containing further information about the object, and for storing an object ID identifying an object, the catalog server (20) being accessible by a plurality of clients, and
a transaction server (30) accessible for a plurality of clients (10) for executing online transactions with respect to the objects stored in the catalog server (20),

wherein the object attributes are transmittable directly from the catalog server (20) to the transaction server (30) without client interaction.

15. A catalog server (20) comprising

a storage unit (21) for storing objects for online transactions, the objects comprising object data and object attributes containing further information about the object, wherein the objects are assigned object IDs identifying the object, and
an output unit for outputting at least one object attribute upon receiving the corresponding object ID.

16. The catalog server of claim 15 wherein the object attributes are represented by numerical values or text strings.

17. The catalog server of claim 16 wherein the object attributes contain price information about the object.

18. (Amended) The catalog server of claim 15 wherein the stored objects can be transmitted to a client for display in different formats including XML, HTML, XHTML and WML formats.

19. A transaction server (20) for executing online transactions over a communication network comprising a processing unit for
receiving a transaction request from a client (10) requesting an online transaction relating to a specific object, the request containing object data and an object ID identifying the object,

APPENDIX B

Clean Version Showing Changes Without Markings

requesting from a catalog server (20) object attributes containing further information about the object selected by the user, the request containing the object ID, and executing the online transaction using the information contained in the object attributes received from the catalog server (20).

20. The transaction server of claim 19 further comprising a confirmation unit forwarding to the client (10) a confirmation request, and executing the online transaction only after having received a confirmation from the client (10).
21. The method of claim 3 wherein the object ID is transmitted from the catalog server (20) to the client (10) together with the URL of the server (30).
22. The method of claim 5 wherein the object displayed on a client display is assigned a display field for user selection of the object, wherein the selection of the object by a user initiates a transfer of the ID to the URL of the transaction server (30).